

Incoming  
m/045/0004  
cc: Leslie

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1594 West North Temple - Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
Telephone: (801) 538-5291  
Fax: (801) 359-3940

**LARGE MINING OPERATIONS 2009 PROGRESS REPORT**  
**January 1, 2009 to December 31, 2009**

The information required in this form is based on provisions of the Mined Land Reclamation Act, Title 40-8, and the rules as under the Utah Minerals Regulatory Program.

1. Mine Permit Number: *M/045/004*
2. Mine Name: *Pine Canyon Reclamation*
3. Name of Operator/Permittee: *Kennecott Utah Copper LLC (KUC)*  
Note: If Operator's address, company representative or phone number has changed, please provide a replacement page for the Notice of Intention.

4. Mine Location:  
*S1/2 SW1/4, Section 17;*  
*N1/2 NW1/4, W1/2 NE1/4, SE1/4 NE1/4, E1/2 SE1/4 Section 20;*  
*SW1/4 SW1/4, Section 21;*  
*W1/4 NW1/4, Section 28;*  
*NE1/4 NE1/4, Section 29;*  
*Township 3 South, Range 3 West*

5. Report the gross amount of ore mined and waste moved, and the disposition of the materials (onsite stockpiles, sold, waste pile, regraded, etc.):

Gross Ore Mined	0	Tons
Waste Material Moved	0	Tons
New Disturbance	0	Acres during 2009
Area Reclaimed	0	Acres during 2009
Total Disturbed Area	17.3	Acres*

\*Total mine disturbance from the beginning of mining operations through the end of 2009.

Was the ore shipped off site? If not, where is the ore located?

*No ore was generated or shipped off site. The mine was last active in 1983. Kennecott Utah Copper Corporation purchased the inactive property from Anaconda Minerals Company in 1985.*

Where is the waste located?

*All waste (i.e. waste rock) is located on site.*

6. Briefly describe the reclamation work performed during the past year. A map showing reclaimed areas and dates is suggested. (Submit form MR-SITE for an application for full or partial bond/site release).

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*No reclamation work was performed during the past year. The only disturbed acreage remaining in Pine Canyon are those sites identified in the 1988 reclamation plan that were left in place for long term use and cover an area of approximately 17.3 acres. These sites include the Pine Canyon tunnel portal, concrete flume, production shaft head frame, service shaft, access road, warehouse shop, culinary water system with water supply wells, power line to wells, fresh water tank and a small waste rock pile adjacent to the head frame which was left un-reclaimed due to the steep grade.*

*Water is pumped out of the Carr Fork Service Shaft and piped through the Pine Canyon/Parvenu Tunnel to the Bingham Canyon Mine where it is managed through established water collection systems. The water is being removed as part of the general pit dewatering program at the Bingham Canyon Mine and for use as process water at the Copperton Concentrator. The only other work was general systems maintenance on electrical and pumping equipment.*

7. **Include an updated map depicting surface disturbance and reclamation performed during the year,** prepared in accordance with Rule R647-4-105.

*Although there have been no significant changes since 1988, a map showing the remaining Pine Canyon facilities is attached (Map 454-T-0229).*

**I hereby certify, under penalties of law, the information provided in this report is true and correct to the best of my knowledge and belief.**

Name (Typed or Print): *Chris Kaiser*

Title of Operator: *Principal Advisor – Environmental Operation Support*

Signature of Operator: *Chris Kaiser*

Date: *January 28, 2010*



		2009																	
M&RP	PLANT	AREA / PROJECT	Planned <sup>1,3</sup>					\$ Expenditure <sup>2</sup>	Additional										
			BAT	Experimental	Demolition	Status	% Complete		BAT	Experimental	Demolition	Status	% Complete	\$ Expenditure <sup>2</sup>					
M/035/002	Bingham Canyon	Lower Bingham Canyon waste rock disposal area @ 5990 section	(1) Apply growth media, dress, seed and plant 2000 seedlings @ ~10 acres			(1) ~14 acres completed with top soil and seed, 800 Mahogany & 500 Oak planted	(1) 25	(1) 25	(1) 100	(1) 100	(1) 100	(1) 100	(1) \$140,346 <sup>5</sup>	(1) Model and design a sedimentation basin at the base of Bingham Canyon to accommodate a 10yr/24hr storm event reporting to Bingham Canyon (2) Engineer and build sediment basin at the base of Bingham Canyon (3) Top soil and seed ~4 acres above and within sediment pond area	(1) 5 (2) 0 (3) 0	(1) 50 (2) 50 (3) 0	(1) 95 (2) 75 (3) 0	(1) 100 (2) 100 (3) 100	(1) \$25,000 (2) \$16,000 (3) \$40,099 <sup>6</sup>
M/035/002	Bingham Canyon	Lower Bingham Canyon waste rock disposal area @ 6190 section	(1) Complete waste rock contouring and cross rip to 2.75:1 slope @ ~10 acres (2) Apply growth media and seed to 2.75:1 slope @ ~24 acres			(1) Dozing of waste rock completed @ ~41 acres (2) Growth media placement 100% complete, 20 acres planted with 1100 Mahogany & 500 Oak; 43 acres seeded	(1) 25 (2) 25	(1) 100 (1) 35	(1) 100 (2) 90	(1) 100 (2) 100	(1) 100 (2) 100	(1) 100 (2) 100	(1&2) \$411,015 <sup>5</sup>	(1) 1700 seedlings planted over ~20 acres (2) Contract soil staging @ 6190 (3) Contract soil salvage @ 6190 for 6390	(1) 0	(1) 0	(1) 100 (2) 100 (3) 0	(1) 100 (2) 100 (3) 100	(1) \$ 0 <sup>5</sup> (2) \$19,000 (3) \$56,000
M/035/002	Bingham Canyon	Lower Bingham Canyon waste rock disposal area @ 6190 section (Approx. 4 acre area)	(1) re-grading at 2:1 slope (2) place growth media (3) vegetate			(1) Test area moved to ~2 acre plot on north side of 5990 (2) Complete (3) Complete	(1) 0 (2) 0 (3) 0	(1) 100 (2) 25 (3) 0	(1) 100 (2) 100 (3) 100	(1) 100 (2) 100 (3) 100	(1) 100 (2) 100 (3) 100	(1) 100 (2) 100 (3) 100	(1,2&3) \$20,049 <sup>6</sup>						
M/035/002	Bingham Canyon	Staging soil @ Bingham Canyon 6390 from 6090 soil stockpile												(1) Haul ~150,000 cy cover material from 6090 soil stockpile to 6390 bench in Bingham Canyon	(1) 0	(1) 0	(1) 0	(1) 43	(1) \$185,000
M/035/002	Bingham Canyon	Store and release cover	(1) complete design modeling (2) conduct field trials of the various designs (2a) Choose location, secure supplies, stage equipment			(1) Modeling Completed (2) Field trial installation completed Q4 2009 (2a) Location identified, materials secured	(1) 75 (2) 0 (2a) 0	(1) 90 (2) 0 (2a) 15	(1) 100 (2) 0 (2a) 100	(1) 100 (2) 100 (2a) 100	(1) 100 (2) 100 (2a) 100	(1) 100 (2) 100 (2a) 100	(1) \$7,000 (2&2a) \$117,000						
M/035/002	Bingham Canyon	Arthur Concentrator	(1) Maintain vegetation as needed.			(1) Vegetation is healthy, no maintenance required	(1) 0	(1) 0	(1) 0	(1) 0	(1) 0	(1) 0	(1) \$0						
M/035/002	Bingham Canyon	Bonneville Crusher	(1) Maintain vegetation as needed.			(1) Vegetation is healthy, no maintenance required	(1) 0	(1) 0	(1) 0	(1) 0	(1) 0	(1) 0	(1) \$0						
M/035/002	Bingham Canyon	Magna Concentrator	(1) Maintain vegetation as needed.			(1) Vegetation is healthy, no maintenance required	(1) 0	(1) 0	(1) 0	(1) 0	(1) 0	(1) 0	(1) \$0						
M/035/002	Bingham Canyon	E1 & W1 Pump Stations			(1) Demo work postponed until 2010		(1) 0	(1) 0	(1) 0	(1) 0	(1) 0	(1) 0	(1) \$0						
M/035/002	Bingham Canyon	Precipitation Plant Perimeter	(1) Maintain vegetation as needed.			(1) Vegetation is healthy, no maintenance required	(1) 0	(1) 0	(1) 0	(1) 0	(1) 0	(1) 0	(1) \$0						
M/035/002	Bingham Canyon	Test plots		(1) Third-party test plot monitoring for seedling success & technical review		(1) Field work completed July 23; report received	(1) 0	(1) 0	(1) 100	(1) 100	(1) 100	(1) 100	(1) \$3,500						



2009																				
M&RP	PLANT	AREA / PROJECT	Planned <sup>1,3</sup>							Additional										
			BAT	Experimental	Demolition	Status	Q1	Q2	Q3	Q4	\$ Expenditure <sup>2</sup>	BAT	Experimental	Demolition	Status	Q1	Q2	Q3	Q4	\$ Expenditure <sup>2</sup>
M/035/002	South Tailing	Entire	Budgeted <sup>4</sup> : (1) Reseed up to 150 acres (2) Application of Limestone up to 50 acres (3) Application of fertilizer up to 300 acres (4) Application of straw/Biosolids up to 80 acres				(1) Re-seeding completed on 11 acres (2) lime applied to 2 acres (3) None (4) Biosolids applied to 8 acres	(1) 0 (2) 0 (3) 0 (4) 0	(1) 5 (2) 0 (3) 0 (4) 5	(1) 0 (2) 0 (3) 0 (4) 0	(1) 5 (2) 1 (3) 0 (4) 10	(1) \$3,500 (2) \$2,000 (3) \$0 (4) \$2,500								
M/035/009	Barneys Canyon	Entire						0	0	0	0									
M/035/011	Concentrator	Entire						0	0	0	0									
M/035/015	North Tailing	Entire	Budgeted <sup>4</sup> : (1) Seed up to 100 acres (2) Application of Limestone up to 50 acres (3) Application of fertilizer up to 300 acres (4) Application of straw/Biosolids up to 80 acres				(1) 74 acres of re-seeding (2) Lime applied to 8 acres (3) None (4) 60 acres of Biosolids application	(1) 0 (2) 0 (3) 0 (4) 0	(1) 61 (2) 0 (3) 0 (4) 75	(1) 0 (2) 0 (3) 0 (4) 0	(1) 74 (2) 16 (3) 0 (4) 75	(1) \$23,500 (2) \$8,000 (3) \$0 (4) \$22,400	(1) Tree Planting along I-80					(1) 100	\$5,000	
M/045/004	Pine Canyon	Entire						0	0	0	0									
			<sup>1</sup> 20090225 Board Presentation and/or 20090313 Reclamation Activities Plan																	
			<sup>2</sup> Expend a minimum average, of \$50,000 – 1978 dollars per year for each three year period, in maintaining a program of experimentation and in the application of BAT toward rehabilitation of land.																	
			<sup>3</sup> Information incorporates GHG reclamation activities assessment																	
			<sup>4</sup> These amounts are budgeted and will be applied on an "as needed" basis dependant upon field conditions.																	
			<sup>5</sup> Paid for in 2008																	
			<sup>6</sup> Amount derived from price/acre of dozer, seed, seedling and labor installation costs																	



Kennecott Utah Copper LLC  
P.O. Box 6001  
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Magna, Utah 84044  
USA  
T 801-569-7427  
F 801-569-6408

**Chris Kaiser**  
Principal Advisor  
Environmental Operations Support  
Kennecott Utah Copper

Mr. Paul Baker, Minerals Program Manager  
Division of Oil, Gas & Mining  
Utah Department of Natural Resources  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

January 28, 2010

Attn: Ms. Leslie Heppler

Re: Large Mining Operations 2009 Progress Report  
January 1, 2009 to December 31, 2009  
M/045/004  
Pine Canyon Mine

Dear Mr. Baker:

Please find attached Form MR-AR for permit number M/045/004, Pine Canyon Mine.

Also, please find the KUC document UDOGM Annual Reporting Register through Q4 2009.

If you have any questions about these annual reports, please contact me at 801.569.7427 or Zeb Kenyon at 801.569.6035.

Sincerely,



Chris Kaiser  
Principal Advisor  
Environmental Operations Support  
Kennecott Utah Copper

C: Dana Dean (UDOGM)

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